

II. CLAIMS AMENDMENTS

1. (Currently Amended) A method for coupling external antennas to a communication unit, comprising ~~the steps of:~~

- transmitting a combined signal of signals of at least a first frequency range and a second frequency range between the unit and first and second external antenna means, ~~which wherein the first external antenna means~~ are arranged for at least sending these first frequency range signals, and which first frequency range is reserved for a first wireless data transfer connection,
- ~~transmitting signals of at least a second frequency range between the unit and second external antenna means, which and wherein the second antenna means~~ are arranged for at least sending these second frequency range signals, and which second frequency range is reserved for a second wireless data transfer connection,
- combining the signals of at least the first frequency range and the signals of at least the second frequency range for feeding them as the combined signal from the unit via common coupling means to the external antennas, and
- filtering the first frequency range signals from the combined signal ~~signals~~ received from the unit via said common coupling means, for feeding ~~them~~ said first frequency range signals to the first external antenna means, and filtering the second frequency range signals from the

combined signal signals, received from the unit via said common coupling means, for feeding them said second frequency range signals to the second external antenna means.

2. (Currently Amended) A method for coupling external antennas to a communication unit, comprising ~~the steps of~~:

- transmitting a combined signal of signals of at least a first frequency range and a second frequency range between the unit and first and second external antenna means, which wherein the first external antenna means are arranged for at least receiving these first frequency range signals, and which first frequency range is reserved for a first wireless data transfer connection,
- ~~transmitting signals of at least a second frequency range between the unit and second external antenna means, which~~ and wherein the second antenna means are arranged for at least receiving these second frequency range signals, and which second frequency range is reserved for a second wireless data transfer connection,
- combining the signals of at least the first frequency range and the signals of at least the second frequency range received with the external antennas for feeding them as the combined signal via common coupling means to the unit, and
- filtering the first frequency range signals from the combined signal, received from the external antennas via said common coupling means signals, for feeding them said

first frequency range signals to the first radio part of the unit, which first radio part is arranged for processing these first frequency range signals, and filtering the second frequency range signals from the combined signal, received from the external antennas via said common coupling means, ~~signals~~ for feeding them said second frequency range signals to the second radio part of the unit, which radio part is arranged for processing these signals.

3. (Currently Amended) An arrangement for coupling external antennas to a communication unit and for transmitting signals between the communication unit and the external antennas, comprising:

- means by which a combined signal of signals of at least a first frequency range and a second frequency range are is transmitted between the unit and first and second external antenna means, ~~which~~ wherein the first frequency range is reserved for a first wireless data transfer connection, and wherein
- ~~means by which signals of at least a second frequency range are transmitted between the unit and second external antenna means, which the second frequency range is reserved for a second wireless data transfer connection, and wherein said means comprise common coupling means for transmitting said combined signal between the unit and the external antenna means,~~
- first filter means, which are arranged for combining at least the first frequency range signals and at least the

second frequency range signals and for feeding them as the combined signal via said common coupling means to the external antennas, wherein the first filter means are also arranged for filtering the first frequency range signals from the combined signal, received via said common coupling means signals, for feeding them said first frequency range signals to the first radio part of the unit, which radio part is arranged for processing these first frequency range signals, and wherein the first filter means are also arranged for filtering the second frequency range signals from the the combined signal -received signals, received via said common coupling means, for feeding them said second frequency range signals to the second radio part of the unit, which radio part is arranged for processing these second frequency range signals, and

- second filter means, which are arranged for combining at least the first frequency range signals, received with the first external antenna means, and at least the second frequency range signals, received with the second external antenna means, and for feeding them as the combined signal via said common coupling means to the unit, wherein the second filter means are also arranged for filtering the first frequency range signals from the combined signal signals, received via said common coupling means, for feeding them said first frequency range signals to the first external antenna means, and for filtering the second frequency range signals from the combined signal signals, received via said common coupling means, for feeding them said second frequency range signals to the second external antenna means.

4. (Currently Amended) The arrangement according to claim 3, wherein the first filter means and at least a part of the common coupling means are located in the unit.

5. (Currently Amended) An antenna arrangement for coupling external antennas to a communication unit, which is arranged for establishing a first and a second wireless data transfer connection, the antenna arrangement comprising at least:

- means for coupling first external antenna means to the antenna arrangement, ~~which~~ wherein said first external antenna means are arranged for signals of a first frequency range, which is reserved for a first wireless data transfer connection, and
- first connector means for coupling the antenna arrangement to the unit, ~~which~~ wherein said first connector means are arranged for transmitting a combined signal of at least said first frequency range signals and second signals of a second frequency range between the antenna arrangement first external antenna means and the unit,
- ~~wherein the first connector means are also arranged for transmitting signals of a second frequency range between second external antenna means and the unit, which which second frequency range is reserved for a second wireless data transfer connection, and which second external antenna means are arranged for said second signals, and~~
- ~~wherein the antenna arrangement also comprises filter means, which are arranged for combining at least the first~~

frequency range signals and at least the second frequency range signals for feeding them as a combined signal to the unit via said first connector means, and/or which filter means are arranged for filtering at least the first frequency range signals and at least the second frequency range signals from the combined signal, received from the unit via said first connector means, ~~each other~~ for feeding said first frequency range signals to said external antenna means and for feeding said second frequency range signals to second external antenna means, which are arranged for the second signals.

6. (Previously Presented) The antenna arrangement according to claim 5, wherein it also comprises cable means for coupling the first external antenna means to the antenna arrangement, and wherein the second external antenna means are integrated into said cable means.

7. (Currently Amended) The antenna arrangement according to claim 5, wherein it is formed as a holder in which the unit is arranged to be placed, and wherein ~~into which~~ the filter means and the second external antenna means are integrated into said holder.

8. (Previously Presented) A communication unit, which is arranged for establishing a first and a second wireless data transfer connection, comprising:

- first radio parts for processing signals of a first frequency range, which is reserved for a first wireless data transfer connection,
- second radio parts for processing signals of a second frequency range, which is reserved for a second wireless data transfer connection,
- connector means for coupling first external antenna means to the unit, which antenna means are arranged for the first signals, and which connector means are arranged for transmitting at least the first signals between the first external antenna means and the first radio parts,
- wherein the connector means are also arranged for transmitting said second signals between second external antenna means and the second radio parts, which antenna means are for the second signals,
- first filter means, which are arranged for combining at least the first and at least the second signals for feeding them to the connector means, and/or which first filter means are arranged for filtering at least the first and at least the second signals from each other for feeding them to said radio parts, and
- a changeable antenna module, which is arranged to be coupled to the connector means, and which comprises second filter means, which are arranged for combining at least the first signals and at least the second signals for feeding them to the connector means, and/or which second filter means are arranged for filtering the first and at least the second

signals from each other for feeding them to the external antenna means.

9. (Previously Presented) The communication unit according to claim 8, wherein the changeable antenna module is also provided with the second external antenna means.

10. (Previously Presented) The communication unit according to claim 8, wherein the changeable antenna module is formed as a holder in which the communication unit is arranged to be placed.

11. (Previously Presented) The communication unit according to claim 8, wherein the first and the second filter means include a diplex filter.

12. (Previously Presented) The communication unit according to claim 8, wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means instead of the fixed antenna means to the connector means, when the changeable antenna module is coupled to said connector means.

13. (Previously Presented) The communication unit according to claim 9, wherein the changeable antenna module is formed as a holder in which the communication unit is arranged to be placed.

14. (Previously Presented) The communication unit according to claim 9, wherein the first and the second filter means include a diplex filter.

15. (Previously Presented) The communication unit according to claim 10, wherein the first and the second filter means include a diplex filter.

16. (Previously Presented) The communication unit according to claim 9, wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means instead of the fixed antenna means to the connector means, when the changeable antenna module is coupled to said connector means.

17. (Previously Presented) The communication unit according to claim 10, wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means instead of the fixed antenna means to the connector means, when the changeable antenna module is coupled to said connector means.

18. (Previously Presented) The communication unit according to claim 11, wherein the unit also comprises fixed antenna means and it is arranged to couple electrically said first filter means instead of the fixed antenna means to the connector means, when the changeable antenna module is coupled to said connector means.

19. (New) The arrangement according to claim 3, wherein the common coupling means comprise a coaxial connector fastened to the unit.

20. (New) The antenna arrangement according to claim 6, wherein the cable means are arranged for placing the first external antenna means outside a vehicle and for placing the second external antenna means inside the vehicle.

21. (New) The antenna arrangement according to claim 20, wherein the second external antenna means are located in the vicinity of the unit.

22. (New) The antenna arrangement according to claim 20, wherein it is formed as a holder in which the unit is arranged to be placed, and wherein the second external antenna means are located in the vicinity of the unit.

23. (New) The antenna arrangement according to claim 7, wherein it also comprises coaxial cable means for coupling the first external antenna means to the antenna arrangement.

24. (New) The antenna arrangement according to claim 23, wherein the coaxial cable means are also for placing the first external antenna means outside a vehicle.